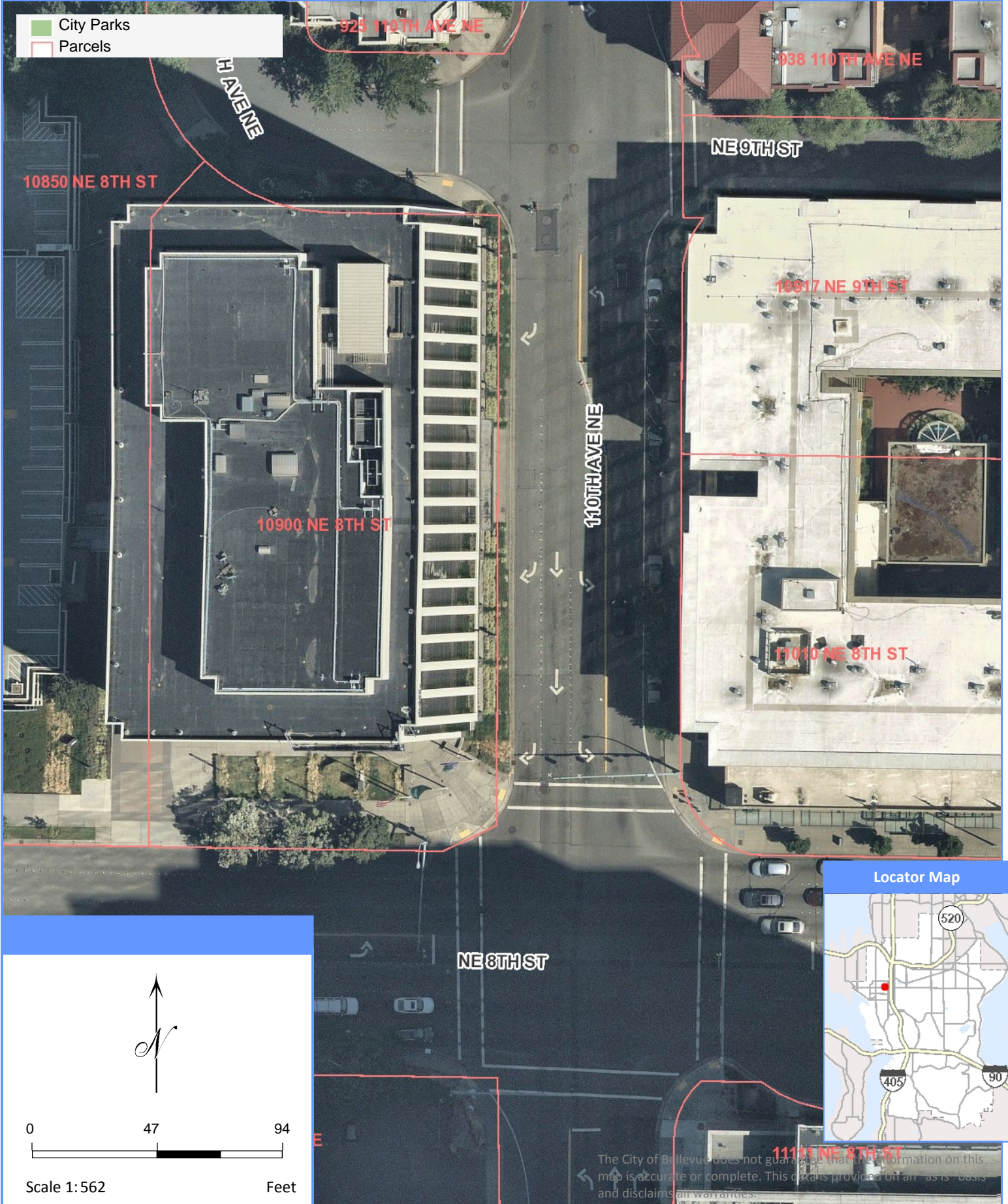


City Parks  
Parcels



Locator Map



The City of Bellevue does not guarantee that the information on this map is accurate or complete. This is provided on an "as is" basis and disclaims all warranties.





PROJECT NAME: T.M.O. BELLEVUE  
HUB AREA: BELLEVUE  
NODE #(s): TMOSE-132  
LOCATION: BELLEVUE, WA 98004  
POLE TYPE: NEW CONCRETE POLE  
COORDINATES: LAT: 47.61802, LONG: -122.193785

T1.1-Sheet Index		
Sheet #	Sheet Description	Page
T1.1	TITLE SHEET	1
A1.1	SITE PLAN, EQUIPMENT AND ANTENNA PLAN	2
A1.2	POLE ELEVATION, PROPOSED	3
D1.1	CONSTRUCTION DETAILS	4
D1.2	ELECTRICAL DETAILS	5



CROWN CASTLE  
1505 WESTLAKE AVE. N.  
SUITE 800  
SEATTLE, WA 98109  
PH: 206.336.3214

RECORD DRAWINGS ISSUE DATE: SAMPLE CD

SHIFT

Shift Companies, LLC  
3334 N. 20TH STREET  
PHOENIX, ARIZONA 85016  
ph: 480.264.0829  
fax: 480.264.0163

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

RELEASE	
DATE	SUBMITTAL
06.04.2018	1st SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT

PROJECT NAME  
T.M.O. BELLEVUE

NODE NUMBER  
TMOSE-132

NODE ADDRESS  
BELLEVUE, WA 98004

LAT: 47.61802,  
LONG: -122.193785

SHIFT JOB NUMBER  
170603

IN HOUSE  
DRAWN BY: KON  
CHECKED BY: CM

SHEET TITLE

TITLE SHEET

Received  
JUL 22 2018  
T1.1

PAGE

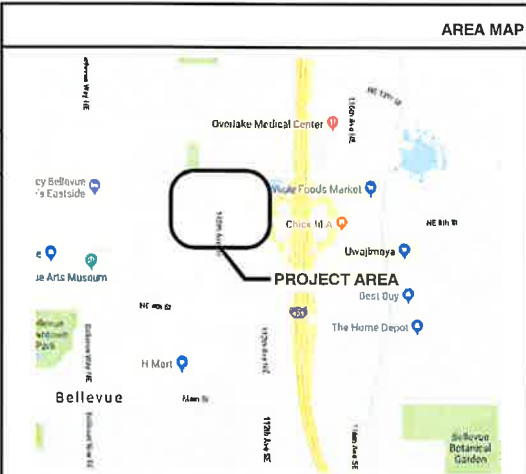
1 OF 5

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

CROWN CASTLE REVIEW	
TEAM MEMBER'S REVIEW:	REVIEWED/DATE:
R.F. ENGINEERING:	
PRODUCT MANAGEMENT:	
NETWORK REAL ESTATE TEAM:	
UTILITY TEAM:	
IMPLEMENTATION:	
OPERATIONS:	

PROJECT INFORMATION	
<u>JURISDICTION:</u> CITY OF BELLEVUE TRANSPORTATION DEPARTMENT 450 110TH AVE. N.E. BELLEVUE, WA 98004 PH: 425.452.6856 CONTACT: T.B.D.	<u>APPLICANT:</u> CROWN CASTLE 1505 WESTLAKE AVE. N. SUITE 800 SEATTLE, WA 98109 PH: 206.336.3214
<u>POWER COMPANY:</u> PUGET SOUND ENERGY 1885 N.E. 4TH ST. BELLEVUE, WA 98004 PH: 425.452.1234 CONTACT: T.B.D.	<u>CODES:</u> 2015 INTERNATIONAL BUILDING CODE (IBC) 2017 NATIONAL ELECTRICAL CODE (NEC)
<u>NOTE:</u> NO PROPOSED STORM SEWER, WASTEWATER, OR WATER WORK IS SHOWN ON THIS PLAN SET, NOR INCLUDED IN THIS WORK SCOPE.	

ABBREVIATIONS AND SYMBOLS	
	REVISION
	KEY NOTE
	ELEVATION REFERENCE
	ELEVATION MARKER
	ANTENNA AZIMUTH
	VIEW NUMBER
	SHEET NUMBER
	CENTER LINE
	RIGHT-OF-WAY/PROPERTY LINE
	FIBER
	GAS
	POWER
	SANITARY SEWER
	STORM DRAIN
	WATER
	OVERHEAD POWER LINE

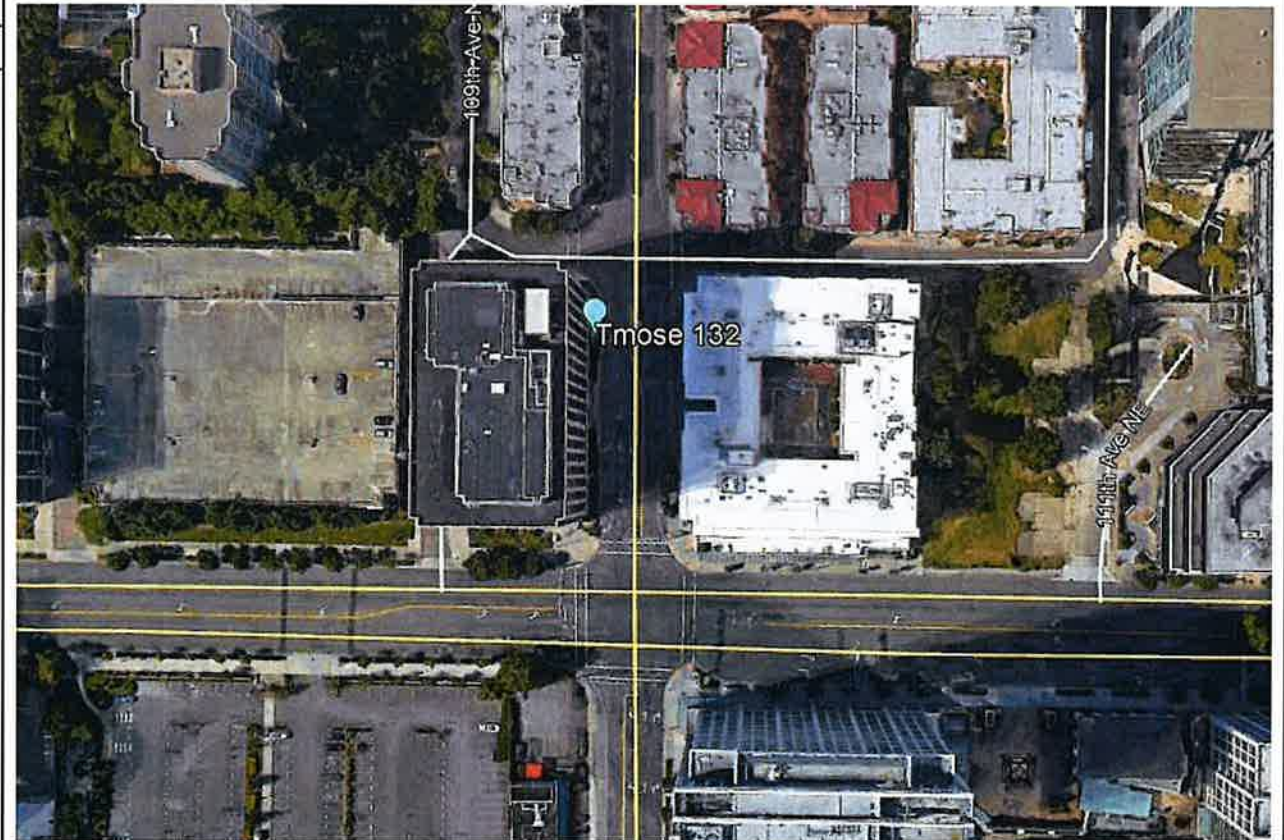


PROJECT TEAM	
<u>ARCHITECT</u> Company: SHIFT CONSULTING Address: 3334 N. 20TH ST. PHOENIX, AZ 85016 Phone: 480.264.0829 Email: chrism@shiftcompanies.com Contact: CHRIS MYERS	<u>OWNER INFO</u> Company: CROWN CASTLE Address: 1505 WESTLAKE AVE. N. SUITE 800 SEATTLE, WA 98109 Phone: 206.336.3214 Email: Patricia.Zittleman@Crownccastle.com Contact: PATRICIA ZITTELMAN
<u>STRUCTURAL</u> Company: - Address: - Phone: - Email: - Contact: -	<u>RF ENGINEER</u> Company: CROWN CASTLE Address: 1505 WESTLAKE AVE. N. SUITE 800 SEATTLE, WA 98109 Phone: 206.336.7392 Email: Gabriel.Gorman@Crownccastle.com Contact: GABRIEL GORMAN
<u>FIBER ENGINEERING</u> Company: T.B.D. Address: - Phone: - Email: - Contact: -	

**PROJECT DESCRIPTION**

CROWN CASTLE PROPOSES TO PROVIDE AN ENHANCED RESIDENTIAL WIRELESS COMMUNICATIONS SYSTEM THAT WILL IMPROVE CELLULAR COMMUNICATIONS AND INCREASE CALL CAPACITY. THE NETWORK AND ASSOCIATED EQUIPMENT HAVE BEEN DESIGNED TO MINIMIZE VISUAL IMPACTS IN URBAN SETTINGS. THE PROPOSED SYSTEM WILL PROVIDE A CELLULAR NETWORK THAT CAN BE UTILIZED SIMULTANEOUSLY BY DIFFERENT LICENSED TELECOMMUNICATIONS COMPANIES.

- GENERAL PROJECT NOTES**
- RIGHT-OF-WAY USE PERMIT SHALL BE OBTAINED BY CONTRACTOR PRIOR TO COMMENCING WORK.
  - A UTILITY LOCATE IS REQUIRED FOR ALL PROJECTS.
  - CROSSING OF EXISTING UTILITIES SHALL BE COORDINATED BY CONTRACTOR.
  - ALL WORK TO BE CONDUCTED IN CITY RIGHT OF WAY, U.N.O.
  - ALL DISTURBED LANDSCAPING SHALL BE REPLACED TO SIMILAR EXISTING CONDITION.
  - ALL SURFACE REPAIR SHALL BE TO CITY SPECIFICATIONS.
  - ANY SIDEWALK CLOSURE SHALL BE COORDINATED WITH THE CITY AND PROPER SIGNAGE WILL BE PLACED.
  - TEMPORARY LIGHTING WILL BE COORDINATED WITH CITY AND PROVIDED WHENEVER EXISTING LIGHTING IS REMOVED OR UNAVAILABLE AS REQUIRED.
  - NO MATERIALS OR EQUIPMENT SHALL BE STORED ON PRIVATE PROPERTY OR BLOCK ACCESS TO PRIVATE PROPERTY.
  - OPEN EXCAVATIONS SHALL BE PROPERLY GUARDED AND SIGNED. NO OPEN EXCAVATIONS WILL BE LEFT ACCESSIBLE TO THE PUBLIC.
  - CLEANUP OF THE WORK AREA WILL BE COMPLETED EACH EVENING AND THE PROJECT AREA WILL BE RETURNED TO EXISTING CONDITION AT THE COMPLETION OF CONSTRUCTION AT EACH NODE LOCATION.
  - ALL WORK TO COMPLY WITH OSHA AND CITY GUIDELINES.
  - CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING PRIVATE IRRIGATION PRIOR TO EXCAVATION. CONTRACTOR WILL REPAIR OR REROUTE IRRIGATION IN ROW AS NECESSARY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REPLACE, AT THEIR COST, ANY AND ALL DAMAGED PAVEMENT, SIDEWALK, CURB AND GUTTER OUTSIDE THE PAY LIMIT. DAMAGE DUE TO THEIR ACTIVITIES ON THE PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL AND REPLACEMENT OF NEWLY CRACKED, THE REMOVAL AND REPLACEMENT OF EXISTING CRACKS WHERE THE CRACKS HAVE BEEN ENLARGED DUE TO THE CONTRACTORS OPERATIONS, THE REMOVAL AND REPLACEMENT OF DEFORMED PAVEMENT, CURB AND GUTTER, SIDEWALK, ETC.. ALL SAW CUTS USED FOR THE REMOVAL OF THESE ITEMS SHALL BE PERPENDICULAR AND PARALLEL TO THE CENTERLINE CONTROLLING THAT ITEM, OR AT THE DISCRETION OF THE CITY INSPECTOR.
  - THE VAULTS INSTALLED IN CONJUNCTION WITH THE INDIVIDUAL ANTENNA NODES SHALL BE FLUSH WITH THE GROUND.

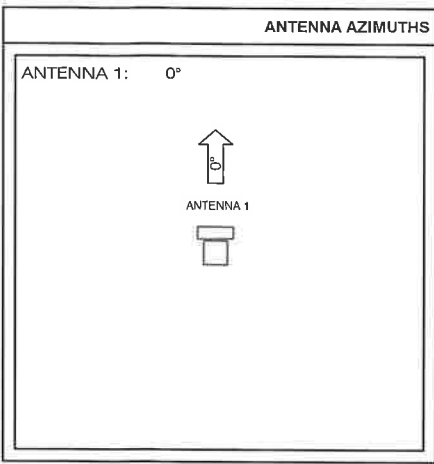




C:\Users\micha\Desktop\KONTEXTURE\SHIFT COMPANIES\GO-TMOSE-132\TMOSE-132.dwg

KEYNOTE LEGEND		
KEYNOTE	DESCRIPTION	DETAIL
A01	NEW CROWN CASTLE ANTENNA INTEGRATED WITH RADIO	18/D1.1
A02	N/A	
A03	RF WARNING SIGNAGE	1/A1.2
A04	NEW CONCRETE POLE	20/D1.1
A05	CROWN CASTLE 24"x36" UNDERGROUND CONC. FIBER VAULT WITH CROWN CASTLE LABEL	SEE FIBER PLAN
A06	NEW CROWN CASTLE NODE IDENTIFICATION SIGNAGE (BOTTOM OF POLE)	5/A1.2
A07	NEW ELECTRICAL HAND HOLE	
A08	PROPOSED CROWN CASTLE PIER FOUNDATION	16/D1.1

KEYNOTE LEGEND		
KEYNOTE	DESCRIPTION	DETAIL
U01	NEW 2" CROWN CASTLE U.G. POWER CONDUIT (APPROXIMATE LOCATION, F.V.)	20/D1.1
U02	NEW CROWN CASTLE 1-1/4" U.G. FIBER CONDUIT BY OTHERS (APPROXIMATE LOCATION, F.V.)	20/D1.1



- GENERAL NOTES
1. PAINT PROPOSED GROUND EQUIPMENT A NATURAL EARTH COLOR OR AS APPROVED BY CITY.
  2. CONTRACTOR TO FIELD LOCATE EXIST. UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION
  3. EX. LANDSCAPE PLANTINGS AND DECORATIVE HARDSCAPES DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED WITH A LIKE SIZE AND SPECIE.
  4. CONTRACTOR TO HAND LOCATE EX. IRRIGATION PRIOR TO EXCAVATION.
  5. SITE PLAN IS A DIAGRAMMATIC REPRESENTATION ONLY; VERIFY ALL DIMENSIONS.
  6. VERIFY ALL PROPERTY LINE INFORMATION WITH AVAILABLE R.O.W. DATA.
  7. EXIST. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY (AS PROVIDED BY LOCAL UTILITIES).



SUBJECT POLE: TMOSE-132

GPS COORDINATES:  
LAT: 47.61802,  
LONG: -122.193785

POLE TYPE: NEW CONCRETE POLE  
POLE ID #: ID#

ANTENNA RAD CENTER: 36' - 0" A.F.G.

SUBJECT POLE IS LOCATED IN: CITY OF BELLEVUE R.O.W.

**CROWN CASTLE**  
1505 WESTLAKE AVE. N.  
SUITE 800  
SEATTLE, WA 98109  
PH: 206.336.3214

RECORD DRAWINGS ISSUE DATE: SAMPLE CD

**SHIFT**  
Shift Companies, LLC  
3334 N. 20TH STREET  
PHOENIX, ARIZONA 85016  
ph: 480.264.0829  
fax: 480.264.0163

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

RELEASE	
DATE	SUBMITTAL
06.04.2018	1st SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT

PROJECT NAME  
T.M.O. BELLEVUE

NODE NUMBER  
TMOSE-132

NODE ADDRESS  
BELLEVUE, WA 98004

LAT: 47.61802,  
LONG: -122.193785

SHIFT JOB NUMBER  
170603

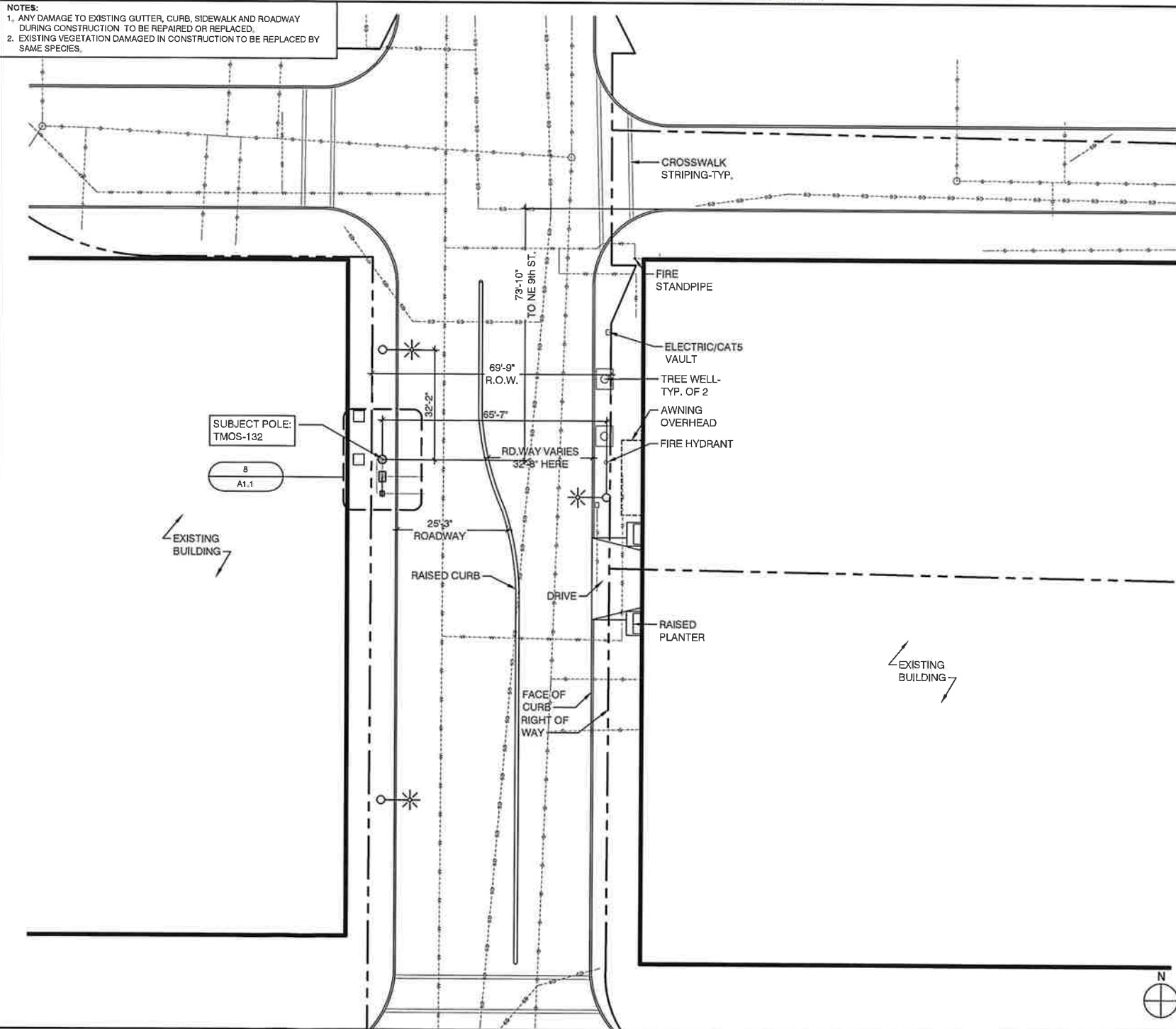
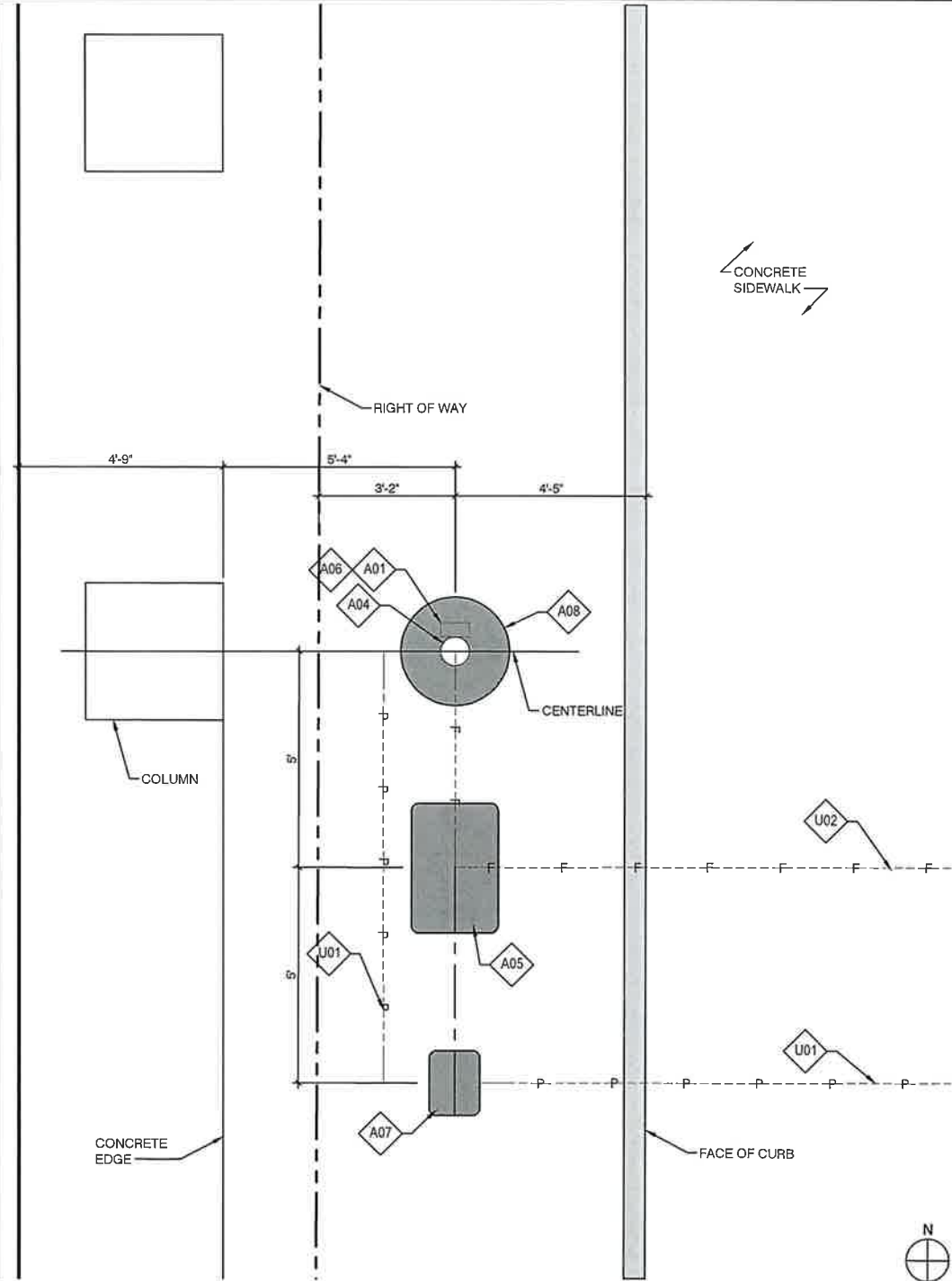
IN HOUSE  
DRAWN BY: KON  
CHECKED BY: CM

SHEET TITLE  
SITE PLAN, EQUIPMENT  
AND ANTENNA PLAN

SHEET NUMBER  
A1.1

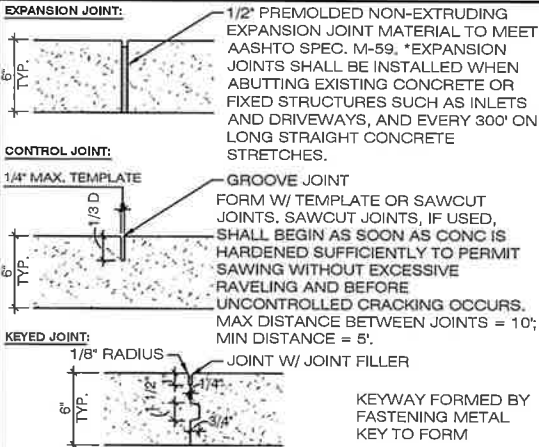
PAGE  
2 OF 5

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

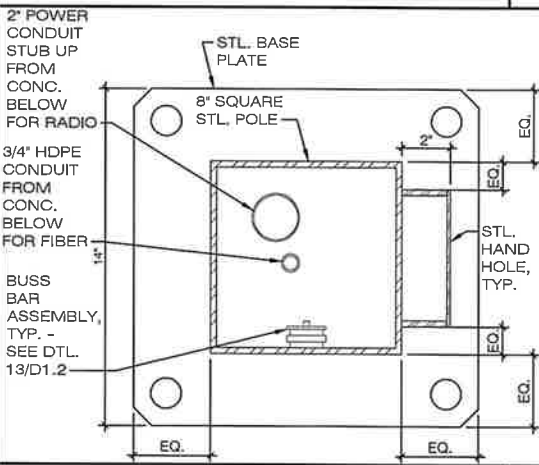








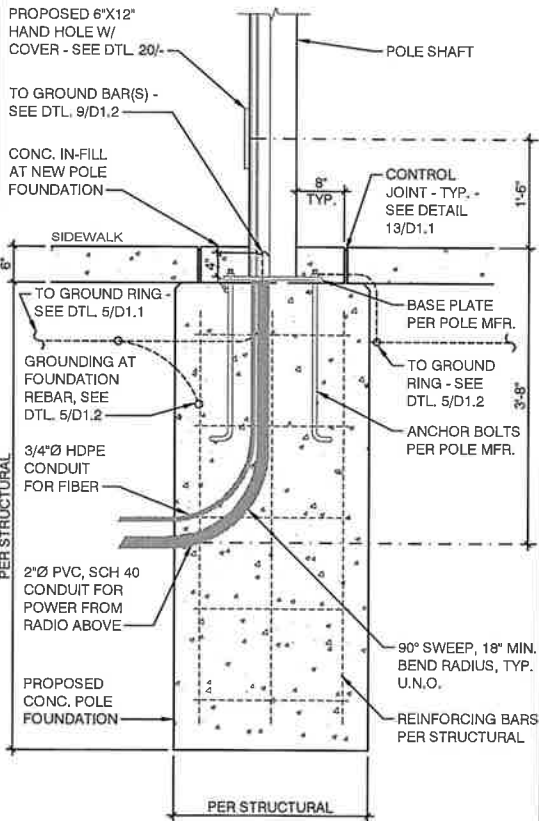
CONCRETE JOINT DETAILS SCALE:N,T,S. 13



PLAN VIEW @ METAL POLE SCALE:N.T.S. 14

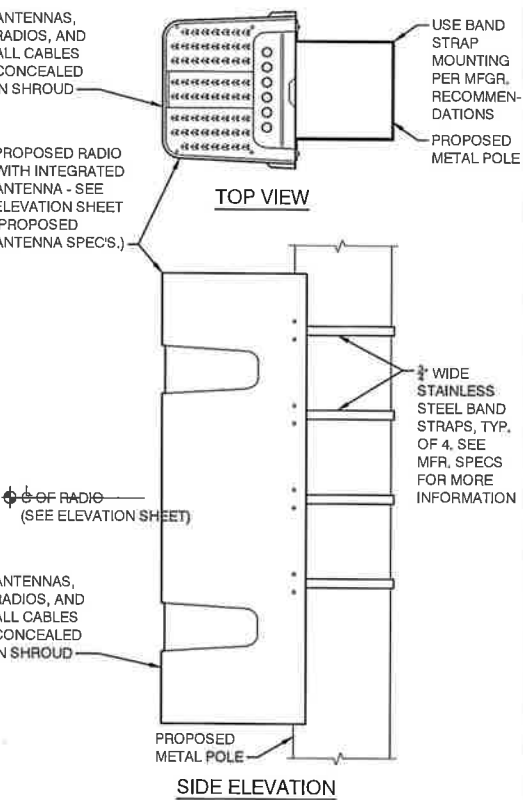
**NOTE:**

1. REFER TO STRUCTURAL ENGINEERING PACKAGE FOR FOUNDATION AND SPECIAL INSPECTION NOTE REQUIREMENTS FOR THIS DETAIL.
2. ALL CONDUIT TO BE MARKED WITH APPROPRIATE LOCATOR TAPE.
3. FIBER TO BE MARKED WITH TRACER WIRE.

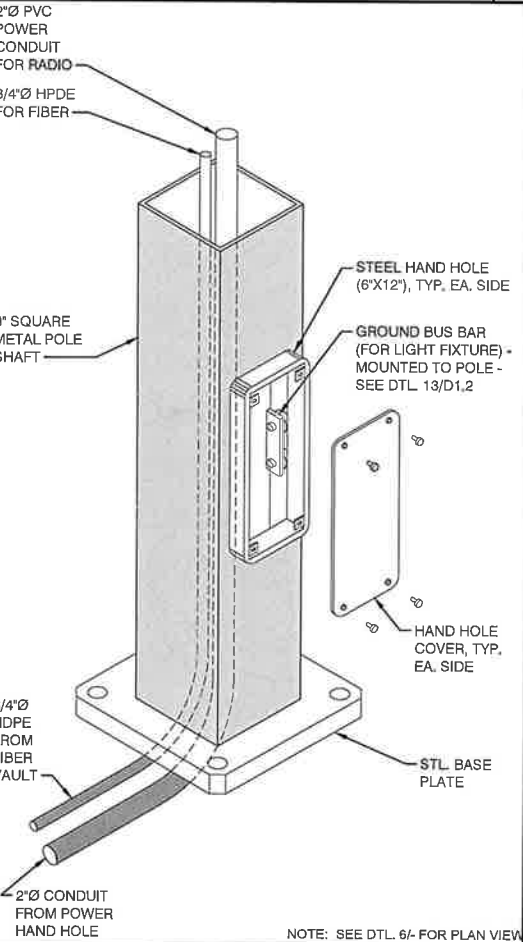


FOUNDATION DETAIL SCALE: N.T.S. 16

MODEL:	NOKIA RRH *3 UNIT FACE OUT*
LENGTH:	37.4"
WIDTH:	12.3"
DEPTH:	12"
WEIGHT:	90 LBS.
PROPOSED RADIO WITH INTEGRATED ANTENNA SPECS	



RADIO WITH INTEGRATED ANTENNA DETAIL SCALE: N.T.S. 18



ISOMETRIC - W/ LIGHT FIXTURE	SCALES: NTS	20
------------------------------	-------------	----



**CROWN CASTLE**  
1505 WESTLAKE AVE. N.  
SUITE 800  
SEATTLE, WA 98109  
PH: 206.336.3214

RECORD DRAWINGS ISSUE DATE 10.09.17



**Shift Companies, LLC**  
3334 N. 20TH STREET  
PHOENIX, ARIZONA 85016  
ph: 480.264.0829  
fax: 480.264.0163

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

RELEASE	
DATE	SUBMITTAL
06.04.2018	1ST SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT

PROJECT NAME

T.M.O. BELLEVUE

Node Number	Node Description	Node Type	Node Status
1	Root Node	Root	Active
2	Node 2	Leaf	Active
3	Node 3	Leaf	Active
4	Node 4	Leaf	Active
5	Node 5	Leaf	Active
6	Node 6	Leaf	Active
7	Node 7	Leaf	Active
8	Node 8	Leaf	Active
9	Node 9	Leaf	Active
10	Node 10	Leaf	Active
11	Node 11	Leaf	Active
12	Node 12	Leaf	Active
13	Node 13	Leaf	Active
14	Node 14	Leaf	Active
15	Node 15	Leaf	Active
16	Node 16	Leaf	Active
17	Node 17	Leaf	Active
18	Node 18	Leaf	Active
19	Node 19	Leaf	Active
20	Node 20	Leaf	Active
21	Node 21	Leaf	Active
22	Node 22	Leaf	Active
23	Node 23	Leaf	Active
24	Node 24	Leaf	Active
25	Node 25	Leaf	Active
26	Node 26	Leaf	Active
27	Node 27	Leaf	Active
28	Node 28	Leaf	Active
29	Node 29	Leaf	Active
30	Node 30	Leaf	Active
31	Node 31	Leaf	Active
32	Node 32	Leaf	Active
33	Node 33	Leaf	Active
34	Node 34	Leaf	Active
35	Node 35	Leaf	Active
36	Node 36	Leaf	Active
37	Node 37	Leaf	Active
38	Node 38	Leaf	Active
39	Node 39	Leaf	Active
40	Node 40	Leaf	Active
41	Node 41	Leaf	Active
42	Node 42	Leaf	Active
43	Node 43	Leaf	Active
44	Node 44	Leaf	Active
45	Node 45	Leaf	Active
46	Node 46	Leaf	Active
47	Node 47	Leaf	Active
48	Node 48	Leaf	Active
49	Node 49	Leaf	Active
50	Node 50	Leaf	Active
51	Node 51	Leaf	Active
52	Node 52	Leaf	Active
53	Node 53	Leaf	Active
54	Node 54	Leaf	Active
55	Node 55	Leaf	Active
56	Node 56	Leaf	Active
57	Node 57	Leaf	Active
58	Node 58	Leaf	Active
59	Node 59	Leaf	Active
60	Node 60	Leaf	Active
61	Node 61	Leaf	Active
62	Node 62	Leaf	Active
63	Node 63	Leaf	Active
64	Node 64	Leaf	Active
65	Node 65	Leaf	Active
66	Node 66	Leaf	Active
67	Node 67	Leaf	Active
68	Node 68	Leaf	Active
69	Node 69	Leaf	Active
70	Node 70	Leaf	Active
71	Node 71	Leaf	Active
72	Node 72	Leaf	Active
73	Node 73	Leaf	Active
74	Node 74	Leaf	Active
75	Node 75	Leaf	Active
76	Node 76	Leaf	Active
77	Node 77	Leaf	Active
78	Node 78	Leaf	Active
79	Node 79	Leaf	Active
80	Node 80	Leaf	Active
81	Node 81	Leaf	Active
82	Node 82	Leaf	Active
83	Node 83	Leaf	Active
84	Node 84	Leaf	Active
85	Node 85	Leaf	Active
86	Node 86	Leaf	Active
87	Node 87	Leaf	Active
88	Node 88	Leaf	Active
89	Node 89	Leaf	Active
90	Node 90	Leaf	Active
91	Node 91	Leaf	Active
92	Node 92	Leaf	Active
93	Node 93	Leaf	Active
94	Node 94	Leaf	Active
95	Node 95	Leaf	Active
96	Node 96	Leaf	Active
97	Node 97	Leaf	Active
98	Node 98	Leaf	Active
99	Node 99	Leaf	Active
100	Node 100	Leaf	Active

Node Address	Node Name	Node Type	Node Status	Node Description
1	Root	Root	Active	Root of the tree
2	Left Child of Root	Internal	Active	Left child of the root
3	Right Child of Root	Internal	Active	Right child of the root
4	Left Child of Node 2	Leaf	Active	Left child of node 2
5	Right Child of Node 2	Leaf	Active	Right child of node 2
6	Left Child of Node 3	Leaf	Active	Left child of node 3
7	Right Child of Node 3	Leaf	Active	Right child of node 3
8	Left Child of Node 4	Leaf	Active	Left child of node 4
9	Right Child of Node 4	Leaf	Active	Right child of node 4
10	Left Child of Node 5	Leaf	Active	Left child of node 5
11	Right Child of Node 5	Leaf	Active	Right child of node 5
12	Left Child of Node 6	Leaf	Active	Left child of node 6
13	Right Child of Node 6	Leaf	Active	Right child of node 6
14	Left Child of Node 7	Leaf	Active	Left child of node 7
15	Right Child of Node 7	Leaf	Active	Right child of node 7
16	Left Child of Node 8	Leaf	Active	Left child of node 8
17	Right Child of Node 8	Leaf	Active	Right child of node 8
18	Left Child of Node 9	Leaf	Active	Left child of node 9
19	Right Child of Node 9	Leaf	Active	Right child of node 9
20	Left Child of Node 10	Leaf	Active	Left child of node 10
21	Right Child of Node 10	Leaf	Active	Right child of node 10
22	Left Child of Node 11	Leaf	Active	Left child of node 11
23	Right Child of Node 11	Leaf	Active	Right child of node 11
24	Left Child of Node 12	Leaf	Active	Left child of node 12
25	Right Child of Node 12	Leaf	Active	Right child of node 12
26	Left Child of Node 13	Leaf	Active	Left child of node 13
27	Right Child of Node 13	Leaf	Active	Right child of node 13
28	Left Child of Node 14	Leaf	Active	Left child of node 14
29	Right Child of Node 14	Leaf	Active	Right child of node 14
30	Left Child of Node 15	Leaf	Active	Left child of node 15
31	Right Child of Node 15	Leaf	Active	Right child of node 15
32	Left Child of Node 16	Leaf	Active	Left child of node 16
33	Right Child of Node 16	Leaf	Active	Right child of node 16
34	Left Child of Node 17	Leaf	Active	Left child of node 17
35	Right Child of Node 17	Leaf	Active	Right child of node 17
36	Left Child of Node 18	Leaf	Active	Left child of node 18
37	Right Child of Node 18	Leaf	Active	Right child of node 18
38	Left Child of Node 19	Leaf	Active	Left child of node 19
39	Right Child of Node 19	Leaf	Active	Right child of node 19
40	Left Child of Node 20	Leaf	Active	Left child of node 20
41	Right Child of Node 20	Leaf	Active	Right child of node 20
42	Left Child of Node 21	Leaf	Active	Left child of node 21
43	Right Child of Node 21	Leaf	Active	Right child of node 21
44	Left Child of Node 22	Leaf	Active	Left child of node 22
45	Right Child of Node 22	Leaf	Active	Right child of node 22
46	Left Child of Node 23	Leaf	Active	Left child of node 23
47	Right Child of Node 23	Leaf	Active	Right child of node 23
48	Left Child of Node 24	Leaf	Active	Left child of node 24
49	Right Child of Node 24	Leaf	Active	Right child of node 24
50	Left Child of Node 25	Leaf	Active	Left child of node 25
51	Right Child of Node 25	Leaf	Active	Right child of node 25
52	Left Child of Node 26	Leaf	Active	Left child of node 26
53	Right Child of Node 26	Leaf	Active	Right child of node 26
54	Left Child of Node 27	Leaf	Active	Left child of node 27
55	Right Child of Node 27	Leaf	Active	Right child of node 27
56	Left Child of Node 28	Leaf	Active	Left child of node 28
57	Right Child of Node 28	Leaf	Active	Right child of node 28
58	Left Child of Node 29	Leaf	Active	Left child of node 29
59	Right Child of Node 29	Leaf	Active	Right child of node 29
60	Left Child of Node 30	Leaf	Active	Left child of node 30
61	Right Child of Node 30	Leaf	Active	Right child of node 30
62	Left Child of Node 31	Leaf	Active	Left child of node 31
63	Right Child of Node 31	Leaf	Active	Right child of node 31
64	Left Child of Node 32	Leaf	Active	Left child of node 32
65	Right Child of Node 32	Leaf	Active	Right child of node 32
66	Left Child of Node 33	Leaf	Active	Left child of node 33
67	Right Child of Node 33	Leaf	Active	Right child of node 33
68	Left Child of Node 34	Leaf	Active	Left child of node 34
69	Right Child of Node 34	Leaf	Active	Right child of node 34
70	Left Child of Node 35	Leaf	Active	Left child of node 35
71	Right Child of Node 35	Leaf	Active	Right child of node 35
72	Left Child of Node 36	Leaf	Active	Left child of node 36
73	Right Child of Node 36	Leaf	Active	Right child of node 36
74	Left Child of Node 37	Leaf	Active	Left child of node 37
75	Right Child of Node 37			

SHIFT JOB NUMBER	IN HOUSE
------------------	----------

170603 DRAWN BY: KON  
CHECKED BY: SM

SHEET TITLE

## CONSTRUCTION DETAILS

SHEET NUMBER

### D1.1

PAGE

OF 5

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

PLAN CHECK #



C:\Users\mtcha\Desktop\KONTEXTURE\SHIFT COMPANIES\Dr.1-D1.2.dwg

FOR ALL COAX WATERPROOFING INSTALLATIONS, SEE INSTALLATION INSTRUCTIONS FOR

**JMA WIRELESS "JMA WEATHER PROTECTION SYSTEM"**

1) FOR 1/2" CONNECTIONS TO ANTENNA OR DEVICE

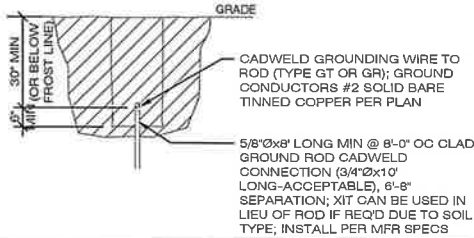
2) FOR 1/2" CONNECTIONS TO ANTENNA OR DEVICE USING WPS-DF-CUTTER

3) FOR WPS-N, 1/2" NM CONNECTOR TO PORT

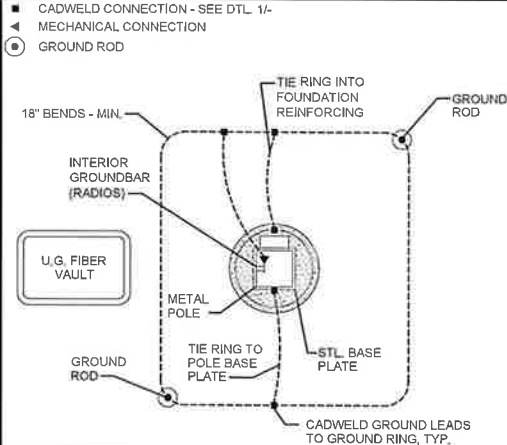
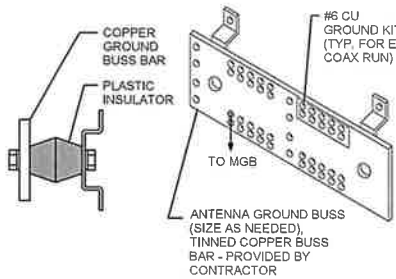
4) FOR WPS-DRA, MALE TO PORT

5) FOR 1/4" CONNECTIONS TO ANTENNA OR DEVICE

- NOTES:
1. VERIFY LIGHT GROUNDING REQUIREMENTS FOR LIGHT ARMS WHEN APPLICABLE.
  2. ALL GROUND BARS ASSOCIATED WITH POLE TO BE MOUNTED AT INTERIOR (SCREENED FROM VIEW).
  3. MOUNT ANTENNA GROUND BUSS VERTICALLY BEHIND LOWER ANTENNA ARRAY.
  4. ALL CONNECTORS SHALL BE DOUBLE LUG.
  5. GROUND BAR KITS TO INCLUDE:  
1/4" THICK TIN COPPER BUSS BAR, SS BRACKET, INSULATOR OR EQUIVALENT, 3/8" Ø BOLT AND LOCKWASHER.



- NOTES:
1. ALL CONNECTORS MUST BE DOUBLE LUG.
  2. MOUNT ANTENNA GROUND BUSS VERTICALLY BEHIND LOWER ANTENNA ARRAY



COAX WATERPROOFING - FUSION TAPE TYPE

SCALE N.T.S.

5

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE LOCAL CODES.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL PERMIT FEES, AND SCHEDULE ALL REQUIRED INSPECTIONS. CONTRACTOR SHALL OBTAIN LOCAL POWER COMPANY APPROVAL AND COORDINATE SERVICE ENTRANCE REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND CONTACT PROJECT MANAGER WITH DISCREPANCIES FROM PLAN.
4. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTAL TO COMPLETING AND PRESENTING THIS PROJECT AS FULLY OPERATIONAL. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED.
5. CONDUCTORS SHALL BE INSTALLED IN SCHEDULE 40 CONDUIT (UNDERGROUND) AND IMC OR SCH 80 PVC CONDUIT ABOVE GROUND.
6. PROVIDE 2" OR 2 1/2" SCHEDULE 40 PVC UNDERGROUND CONDUIT WITH FULL WIRE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND APS JUNCTION BOX. CONTRACTOR SHALL DETERMINE REQUIRED NUMBER AND LOCATION OF JUNCTION BOXES PER UTILITY STANDARDS.
7. USE 1" SCHEDULE 40 PVC CONDUIT AND APPROPRIATE FITTINGS TO ENTER NGR LOAD CENTER.
8. CONTRACTOR TO NOTIFY ALL APPROPRIATE PARTIES PRIOR TO CONSTRUCTION AND SHALL PROVIDE AND MAINTAIN A TRAFFIC CONTROL PLAN PER NDOT REQUIREMENTS.
9. CONTRACTOR TO LOCATE ALL UTILITIES IN PROJECT AREA PRIOR TO CONSTRUCTION THROUGH BLUE STAKE.
10. VERIFY DEPTH OF EXISTING UTILITY CROSSING POINTS VIA APPROVED POT-HOLING METHODS AND NOTE ON PLAN SETS FOR AS-BUILT CLOSE OUT.
11. NOTE DEPTH AND LOCATIONS OF ALL INSTALLED UTILITIES ON AS-BUILT REDLINE DRAWINGS.
12. IF EXISTING IRRIGATION LINES ARE ENCOUNTERED, CONTRACTOR SHALL NOTIFY OWNER PRIOR TO DISTURBING OR MODIFYING.
13. CONTRACTOR SHALL NOT RELOCATE PROPOSED EQUIPMENT OR POLE LOCATIONS WITHOUT WRITTEN APPROVAL FROM CROWN CASTLE AND PROJECT ENGINEERS
14. MATERIAL SUBSTITUTIONS ARE SUBJECT TO CROWN CASTLE AND ENGINEERING REVIEW PRIOR TO CONSTRUCTION.

ELECTRICAL NOTES

SCALE: NONE

6

GROUND ROD DETAIL

SCALE: N.T.S.

9

PANEL A

FED FROM TRANSFORMER  
NEMA 3R

VOLTS 240/120V 2P 3W  
BUS AMPS 60  
NEUTRAL 100%

AIC (REFER TO FAULT CALC)  
MAIN BKR 60  
LUGS STANDARD

NO.	CB	CIRCUIT DESCRIPTION	KVA LOAD		NO.	CB	CIRCUIT DESCRIPTION	KVA LOAD	
			A	B				A	B
1	60/1	MAIN	0.00		2	20/1	RADIO EQUIPMENT	1.05	
3	60/1	MAIN		0.00	4	20/1	RADIO EQUIPMENT		1.05
5	-	SPACE	0.00		6	20/1	SPARE	0.00	
7	-	SPACE		0.00	8	-	SPACE		0.00
TOTAL CONNECTED KVA BY PHASE								1.05	1.05
TOTAL CONNECTED AMPS BY PHASE								11.8	11.8

	CONN. KVA	CALC KVA		CONN. KVA	CALC KVA
LIGHTING	0	0 (125%)	CONTINUOUS	0	0 (125%)
LARGEST MOTOR	0	0 (125%)	HEATING	0	0 (100%)
OTHER MOTORS	0	0 (125%)	NONCONTINUOUS	2.1	2.1 (100%)
RECEPTACLES	0	0	TOTAL KVA	2.82	2.82

PER NEC 210.4(B)  
PROVIDE COMMON TRIP HANDLES FOR ALL  
MULTI-CIRCUIT CONDUIT RUNS.